

36. (New) The aimable ordinance platform of claims 32 wherein at least one segment of said plurality of individual phase segments defines a first radially extending stator pole about which said conductor is disposed.

37. (New) The aimable ordinance platform of claims 36 wherein said at least one segment of said plurality of individual phase segments defines portions of second and third radially extending stator poles.

38. (New) The aimable ordinance platform of claims 32 wherein at least one segment of said plurality of individual phase segments is disposed on both a radially inner side of said rotor and a radially outer side of said rotor.

39. (New) The aimable ordinance platform of claims 38 wherein said stator pole teeth and said rotor pole teeth face each other across two concentric annular gaps.

40. (New) The aimable ordinance platform of claims 32 wherein at least one segment of said plurality of individual phase segments has a laminated core.

41. (New) The aimable ordinance platform of claims 32 wherein said rotor includes a plurality of laminations.

REMARKS

I. INTRODUCTION

Applicants thank the Examiner for the indication of allowable subject matter in claims 18-21. Applicants have cancelled claims 1-5, 8-13 and 16-17 and added new claims 22-41. Accordingly, claims 18-41 are presently pending in this application. Applicant respectfully requests further examination and reconsideration of the application in view of the foregoing amendments and the following arguments.

II. CORRECTION TO THE DRAWINGS

Applicants thank the Examiner for approval of the proposed drawing correction. Corrected drawings are attached hereto as Exhibit A.

III. REJECTIONS OF CLAIMS 1-5, 8-13 AND 16-17 UNDER 35 U.S.C. § 102(B) AND § 103(A)

Claims 1-3 and 9-11 stand rejected as being anticipated by Meyers (U.S. Patent No. 3,970,907). Claims 4, 8, 12 and 16-17 stand rejected as being unpatentable over Meyers in view of Apsit et al. (U.S. Patent No. 3,851,199). Claims 5 and 13 stand rejected as being unpatentable over Meyers in view of Mayer (U.S. Patent No. 3,081,624). Applicants have cancelled each of claims 1-5, 8-13 and 16-17. Accordingly, Applicants submits that the rejections have been rendered moot. Applicants have, however, added new claims 22-41 and respectfully submit that claims 22-41 recite patentable subject matter.

Independent claim 22 recites a variable reluctance motor including stationary and rotatable bearing races, a stator having a plurality of individual phase segment wherein "each segment of said plurality of individual phase segments is separately coupled to said stationary bearing race", and a rotor "coupled to and suspended from said rotatable bearing race...." Independent claim 32 recites an aimable ordinance platform having a variable reluctance motor with the same limitations. Applicants respectfully submit that none of the cited references meet or suggest a motor or ordinance platform meeting the above-recited limitations.


Meyers discloses an alternating current motor rather than a variable reluctance motor. Column 3, lines 12-14. Further, neither Figure 1 nor the description of the motor

at Column 3, lines 12-20 disclose a stator having a plurality of individual phase segments—much less phase segments that are separately coupled to a stator bearing race—or a rotor suspended from a rotatable bearing race. Applicants further submit that neither Apsit et al. nor Mayer disclose a motor meeting the above-recited limitations. Accordingly, Applicants respectfully submit that claims 22-41 recited patentable subject matter.

IV. CONCLUSION

For the above cited reasons, all of the claims presently pending in this application are believed to be allowable. If the Examiner has any further questions or concerns, the Examiner is invited to contact the Applicant's undersigned attorney.

Respectfully submitted,


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